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NOTICE OF ALLOWANCE AND FEE(S) DUE

52390 7590 12/23/2010

JAMES P. HANRATH 191 NORTH WACKER DRIVE SUITE 1800 CHICAGO, IL 60606 EXAMINER SMALLEY, JAMES N

PAPER NUMBER

ART UNIT
3781
DATE MAILED: 12/23/2010

 APPLICATION NO.
 FILINO DATE
 FIRST NAMIG INVENTOR
 ATTORNEY DOCKET NO.
 CONFIRMATION NO.

 10.589.096
 0.426/2007
 Sungsuk Steve Kim
 0005178.2019
 5480

 TITLE OF INVENTION: COMPOSITE LIMED CLOSURE
 5480
 5480
 5480

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(8) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/23/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further a indicated unless correcte maintenance fee notificat	form should be used to correspondence including d below or directed other	for transmitting the ISS ing the Patent, advance of herwise in Block 1, by (UE FEE and PUBLICATI orders and notification of r (a) specifying a new corres	ON FEE (if require naintenance fees wil spondence address; a	ed). B II be n and/or	locks 1 through 5 s nailed to the current (b) indicating a sepa	corresponde cate "FEE a	mpleted where ence address as ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block I for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
JAMES P. HAI 191 NORTH WA SUITE 1800	NRATH ACKER DRIVE	V2010	Lbe	Certi	ficate Fee(s	of Mailing or Trans) Transmittal is being ficient postage for fire (SSUE FEE address 1) 273-2885, on the d	denovited :	with the United in an envelope ocing facsimile d below.
CHICAGO, IL 6	0606							(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	1	ATTOF	RNEY DOCKET NO.	CONFIRM	IATION NO.
10/589,096	04/26/2007		Sungsuk Steve Kim		C	0005178.2019		480
TITLE OF INVENTION:								
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DA	ATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$0 \$1810		03	/23/2011
EXAM	INER	ART UNIT	CLASS-SUBCLASS]				
SMALLEY, JAMES N		3781	215-320000					
Change of correspondence address or indication of 'Fee Address' C7 CFR 1.863. Change of correspondence address (c Change of Correspondence Address from PTO/SBI/22) attached. Tee Address' indication for 'Fee Address' Indication form PTO/SBI/27 attached. Use of a Custome Number is required. ASSIGNER NAME AND RESIDENCE DATA TO BE PRINTED O			or agents OR, alternative (2) the name of a single registered attorney or a 2 registered patent attolisted, no name will be	so of up to 3 registered patent attorneys 1, alternatively, alternatively, of a single firm thaving as a member a corney or agent and the names of up to patent attorneys or agents. If no name is no will be printed.				
	ess an assignee is ident n in 37 CFR 3.11. Comp BNEE	ified below, no assignee pletion of this form is NO	data will appear on the p of a substitute for filing an (B) RESIDENCE: (CITY	atent. If an assigned assignment. and STATE OR CO	UNT			
4a. The following fee(s) a ☐ Issue Fee	re submitted:	4	b. Payment of Fee(s): (Plea A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo	d. Form PTO-2038	is attac	ched. equired fee(s), any de	ficiency, or	
	SMALL ENTITY state	as. See 37 CFR 1.27.	b. Applicant is no lon	ger claiming SMALI	LENT	TTY status. See 37 Cl	FR 1.27(g)(2	2).
interest as shown by the r	ecords of the United Sta	tes Patent and Trademar	ed from anyone other than t k Office.	ue appucant; a regist	ered a	morney or agent; or th	ie assignee o	u omer party in
Authorized Signature				Date				
Typed or printed name				Registration No				
This collection of informa an application. Confident submitting the completed this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C iality is governed by 35 application form to the ons for reducing this but irginia 22313-1450. DC 13-1450.	EFR 1.311. The informati U.S.C. 122 and 37 CFR USPTO. Time will var rden, should be sent to the ONOT SEND FEES OR	on is required to obtain or r 1.14. This collection is est y depending upon the indiv the Chief Information Office COMPLETED FORMS TO	etain a benefit by the imated to take 12 m idual case. Any con rr, U.S. Patent and T D THIS ADDRESS.	e publi inutes iments radem SEND	te which is to file (and to complete, includir s on the amount of til ark Office, U.S. Dep D TO: Commissioner	by the USI g gathering, me you requ artment of C for Patents,	TO to process) preparing, and ire to complete commerce, P.O. P.O. Box 1450.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/589,096	04/26/2007	Sungsuk Steve Kim	0005178.2019	5480		
52390 75	90 12/23/2010		EXAMINER			
JAMES P. HANRATH			SMALLEY, JAMES N			
191 NORTH WACKER DRIVE			ART UNIT	PAPER NUMBER		
SUITE 1800			3781			
CHICAGO, IL 606	106					

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 629 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 629 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)	Applicant(s)			
10/589,096	KIM ET AL.				
Examiner	Art Unit				
IAMES N. SMALLEV	2701				

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTQL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFB 1.313 and MPEP 1308.

- This communication is responsive to 11/19/2010.
- The allowed claim(s) is/are 1-5,7-13,16 and 17.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) 🖾 All b) ☐ Some* c) ☐ None of the:
 - Certified copies of the priority documents have been received.
 - 2.

 Certified copies of the priority documents have been received in Application No. ____
 - 3.
 ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6.

DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2. Notice of Draftperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO/SB/08).
- Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413). Paper No./Mail Date
- 7.

 Examiner's Amendment/Comment
- 8. T Examiner's Statement of Reasons for Allowance
- 9. ☐ Other . /Anthony Stashick/

Supervisory Patent Examiner, Art Unit 3781

U.S. Patent and Trademark Office

/James N Smalley/ Examiner, Art Unit 3781